

REMARKS

The Applicants thank the Examiner for the indication of allowable subject matter with respect to claims 2-5, 9, 11, and 12-17. Claims 1, 16, and 17 have been amended; claims 10-15 have been canceled without prejudice to consideration in a continuing application; and claims 18-22 have been added. Reconsideration of the present application as amended is respectfully requested.

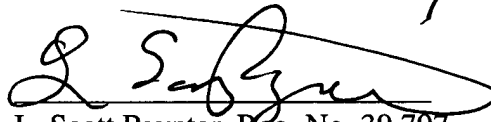
The drawings were objected to for failing to show certain features regarding claims 10 and 12. Because these claims have been cancelled, it is believed that this objection has been addressed.

Claims 1-17 were rejected under 35 U.S.C. §112, second paragraph, as being indefinite. With regard to independent claim 1, it was indicated that the language "a radiation source and a radiation detector array disposed on either side of a channel array" was improper, and indicated "opposing sides" should be recited in place of "either side". Accordingly, claim 1 has been amended to clarify this point. Claim 10 was also rejected on indefiniteness grounds; however, because claim 10 and all those depending from it have been canceled by this amendment, it is believed this aspect of the rejection is rendered moot.

Claims 1, 4/1, 5/4/1, 6, and 7 were rejected as being anticipated by Craighead and dependent claims 8 and 10 were rejected as being unpatentable over Craighead in view of Swedberg et al. In contrast, the subject matter of dependent claims 2, 3, 4/2, 4/3, 5/4/2, 5/4/3, 9, 11, and 12-17 was indicated to allowable. Claim 1 has been amended to include subject matter of dependent claim 15 in a manner indicated to be allowable. To be consistent with this amendment, claims 16 and 17 has been amended and claim 15 has been cancelled. A new independent claim 18 has been added that combines selected subject matter of claim 1 and claims 2 and 3 in a manner believed to be in condition for allowance based on the allowable subject matter of the Final Office Action. Claims 19-22 depend from claim 18 further defining inventive aspects thereof.

In view of the foregoing it is believed that claims 1-9 and 16-22 are in condition for allowance. Reconsideration of the present application as amended is respectfully requested. The Examiner is encouraged to contact the undersigned by telephone to resolve any outstanding matters concerning the present application.

Respectfully submitted:

A handwritten signature in black ink, appearing to read "L. Scott Paynter", is written over a horizontal line.

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